SRO25/50

kV dependent max emission current values for exposure times ≤ 100ms in combination with Optimus 65/80kW

kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]
40	191000	401000	70	357142	714285	**100**	**250000**	**500000**	130	192307	384615
41	198200	415200	71	352112	704225	101	247524	495049	131	190839	381679
42	205400	429400	72	347222	694444	102	245098	490196	132	189393	378787
43	212600	443600	73	342465	684931	103	242718	485436	133	187969	375939
44	219800	457800	74	337837	675675	104	240384	480769	134	186567	373134
45	227000	472000	75	333333	666666	105	238095	476190	135	185185	370370
46	234400	485600	76	328947	657894	106	235849	471698	136	183823	367647
47	241800	499200	77	324675	649350	107	233644	467289	137	182481	364963
48	249200	512800	78	320512	641025	108	231481	462962	138	181159	362318
49	256600	526400	79	316455	632911	109	229357	458715	139	179856	359712
50	264000	540000	80	312500	625000	110	227272	454545	140	178571	357142
51	271600	551400	81	308641	617283	111	225225	450450	141	177304	354609
52	279200	562800	82	304878	609756	112	223214	446428	142	176056	352112
53	286800	574200	83	301204	602409	113	221238	442477	143	174825	349650
54	294400	585600	84	297619	595238	114	219298	438596	144	173611	347222
55	302000	597000	85	294117	588235	115	217391	434782	145	172413	344827
56	309400	605600	86	290697	581395	116	215517	431034	146	171232	342465
57	316800	614200	87	287356	574712	117	213675	427350	147	170068	340136
58	324200	622800	88	284090	568181	118	211864	423728	148	168918	337837
59	331600	631400	89	280898	561797	119	210084	420168	149	167785	335570
60	339000	640000	90	277777	555555	120	208333	416666	150	166666	333333
61	345600	647600	91	274725	549450	121	206611	413223			
	352200	655200	92	271739	543478	122	204918	409836			
	358800	662800	93	268817	537634	123	203252	406504			
	365400	670400	94	265957	531914	124	201612	403225			
	372000	678000	95	263157	526315	125	200000	400000			
	378787	685257	96	260416	520833	126	198412	396825			
	373134	692514	97	257731	515463	127	196850	393700			
	367647	699771	98	255102	510204	128	195312	390625			
	362318	707028	99	252525	505050	129	193798	387596			

These are the default values of the tube data file TUBE_R2.TDL or TUBE_R3.TDL.
Typically there are no changes after adaptation except there are reductions due to the max generator power (Optimus 50kW = 650mA max) or if the filament does not have its full emission anymore, e.g. from shorted filament loops.
The red marked emission current values (at 66kV SF + 70kV LF) are the max emission currents at a kV value from which on the filament current can be reduced to achieve its max load performance.